ABSTRACT OF THE DISCLOSURE

The present invention provides an improved method and apparatus for curing coatings on optical fibers, without creating additional heat and compromising the manufacturing speed of optical fibers. The present invention uses at least one ultrasonic transducer coupled to a component of the optical fiber draw tower, such as the coating die, curing stage device or sheath, to emit ultrasound to the coating of the fiber. The use of ultrasound with current coating cure techniques, such as UV radiation curing, aids in accelerating the coating cure process through the effects of sonolysis, allowing an increase in current manufacturing speeds of optical fibers.